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CLAIMS

1. A plasma display panel having a pair of substrates with at least one transparent front side and positioned to face each other so that
5 discharge spaces are formed between the substrates comprising:

a front substrate having display electrodes provided with scan electrodes and sustain electrodes, and light-shields formed on a non-discharge area between the display electrodes;

and

10 a rear substrate having phosphor layers to emit light by discharge, wherein

the display electrode comprises a transparent electrode and a bus electrode;

the bus electrode includes a plurality of electrode layers; and

15 at least one of the electrode layers is composed of a black layer with a product of a resistivity and a layer thickness of not larger than $2 \Omega\text{cm}^2$ and the light-shield is composed of a black layer with a resistivity of not smaller than $1 \times 10^6 \Omega\text{cm}$.

20 2. A plasma display panel having a pair of substrates with at least one transparent front side and positioned to face each other so that discharge spaces are formed between the substrates comprising:

a front substrate having display electrodes provided with scan electrodes and sustain electrodes, and a light-shield formed on a non-discharge area between the display electrodes;

and

25 a rear substrate having phosphor layers to emit light by discharge,

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wherein

the display electrode comprises a transparent electrode and a bus electrode;

the bus electrode includes a plurality of electrode layers;

5 at least one of the electrode layers is composed of a black layer with a product of a resistivity and a layer thickness of not larger than $2 \Omega\text{cm}^2$ and the light-shield is composed of a black layer with a resistivity of not smaller than $1 \times 10^6 \Omega\text{cm}$;

and

10 the display electrode and the light-shield are electrically insulated.

3. The plasma display panel of one of claim 1 and 2, wherein the black layer includes at least a black pigment and a conductive material.

15 4. The plasma display panel of claim 3, wherein the conductive material is an oxide including one of ruthenium and ruthenium oxide.

5. The plasma display panel of claim 3, wherein the conductive material is a metal conductive material.

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6. The plasma display panel of claim 5, wherein the metal conductive material includes at least one of Ag, Cu, Pd, Pt and Au.

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